

**IN THE CLAIMS**

Please amend the claims as follows:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)
14. (Cancelled)
15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Currently Amended) [~~The cleaner of claim 21~~] A cleaner for cleaning a floor comprising a first assembly of components for performing a first cleaning operation on the floor, a second assembly of components for performing a second cleaning operation on the floor,

control circuitry, connected to the first and second assemblies, executing in parallel a first program module operating the first assembly and a second program module operating the second assembly, wherein the first program module supplies data to the second program module, and the second program module modifies the operation of the second assembly based on said data.

23. (Currently Amended) [~~The cleaner of claim 21~~] A cleaner for cleaning a floor comprising a first assembly of components for performing a first cleaning operation on the floor, a second assembly of components for performing a second cleaning operation on the floor,

control circuitry, connected to the first and second assemblies, executing in parallel a first program module operating the first assembly and a second program module operating the second assembly, wherein the control circuitry comprises at least two processors, one processor executing the first program module and [the] a second processor executing the second program module.

24. (Currently Amended) [~~The cleaner of claim 21~~] A cleaner for cleaning a floor comprising a first assembly of components for performing a first cleaning operation on the floor, a second assembly of components for performing a second cleaning operation on the floor,

control circuitry, connected to the first and second assemblies, executing in parallel a first program module operating the first assembly and a second program module operating the second assembly, wherein the first assembly includes a scrubber and the second assembly includes a burnisher.

25. (Original) The cleaner of claim 24 further comprising:  
a third assembly of components for sweeping the floor, wherein the control circuitry is further connected to the third assembly and executes, in parallel with the first and second program modules, a third program module operating the third assembly.

26. (Currently Amended) A cleaner for cleaning a floor comprising  
a first assembly of components for performing a first cleaning operation on the floor,  
a second assembly of components for performing a second cleaning operation on the floor,  
control circuitry, connected to the first and second assemblies, executing in parallel a first and second program modules,  
the first program module comprising a first plurality of instructions for controlling the operations of the first and second assemblies and coordinating among the operations of the first and second assemblies,  
the second [computer] program module comprising a second plurality of instructions for controlling the operations of the first and second assemblies,  
wherein the first plurality of instructions includes an instruction for supplying a command from the first program module to the second program module, the command requiring performance of a sequence of actions by at least one of the first and second assemblies, wherein the first program module, after executing the instruction for

supplying the command, executes other instructions independent of performance of said sequence of actions,

the second plurality of instructions including a sequence of instructions for causing said at least one of the first and second assemblies to perform said sequence of actions, the second program module executing the sequence of instructions independent of the first program module.

27. (Currently Amended) The cleaner of claim 26 wherein the control circuitry comprises at least two processors, one processor executing the first program module and [the] a second processor executing the second program module.

28. (Original) The cleaner of claim 26 wherein the first assembly includes a scrubber and the second assembly includes a burnisher.

29. (Currently Amended) The cleaner of claim 28 further comprising:  
a third assembly of components for sweeping the floor, wherein the control circuitry is further connected to the third assembly,  
wherein the first program module further comprises a third plurality of instructions for operating the third assembly and coordinating among the operations of the third assembly, and the first and second assemblies,  
wherein the second [computer] program module further comprises a fourth plurality of instructions for operating the third assembly,  
wherein the second plurality of instructions includes an instruction for supplying a second command from the first program module to the second program module, the command requiring performance of a second sequence of actions by the third assembly,  
wherein the first program module, after executing the instruction for supplying the second command, executes other instructions independent of performance of said second sequence of actions,  
the second plurality of instructions including a second sequence of instructions for causing the third assembly to perform said second sequence of actions, the second program module executing the second sequence of instructions independent of [~~me~~] the first [computer] program module.

30. (Original) A cleaner comprising  
a first assembly of components for performing a first cleaning operation,  
a second assembly of components for performing a second cleaning operation,  
control circuitry, connected to the first and second assemblies,  
coordinating an operation of the first assembly relative to an operation of the  
second assembly based on a distance traveled by said cleaner.

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Cancelled)

42. (Cancelled)